

Application No. 10/763,325

In the claims:

1-9. (cancelled)

10. (new) A method comprising:

flossing teeth with dental floss constructed of at least one filament made of spider silk.

11. (new) The method according to claim 10, wherein the flossing comprises applying a load on said dental floss as said floss is pulled between teeth, wherein said at least one filament made of spider silk is initially stiff but becomes very elastic as the load increases.

12. (new) The method according to claim 10, wherein the flossing comprises applying a load on said dental floss as said floss is pulled between teeth, wherein said at least one filament made of spider silk becomes thinner when pulled between teeth.

13. (new) The method according to claim 10, wherein said at least one filament made of spider silk has a tensile strength in the range of 0.5-2.7 GPa; Young's modulus in the range of 0.003-10 GPa; toughness approximately 160 MJ/m³; and yield strain in the range of 0.27-3.0.

14. (new) The method according to claim 10, wherein said at least one filament made of spider silk is coated with a material.

15. (new) The method according to claim 14, wherein said material comprises at least one of a wax and polytetrafluoroethylene (PTFE).